DATA DICTIONARY – 2014 MEAN AND STANDARD DEVIATION

1. `activity`

   Activity performed by a subject
   - WALKING
   - WALKING UPSTAIRS
   - WALKING DOWNSTAIRS
   - SITTING
   - STANDING
   - LAYING

2. `subject`

   The number of the person who perfomed some taks

3. `tBodyAccmeanX`

   Mean of body acceleration in the time domain in the X axis

4. `tBodyAccmeanY`

   Mean of body acceleration in the time domain in the Y axis

5. `tBodyAccmeanZ`

   Mean of body acceleration in the time domain in the Z axis

6. `tGravityAccmeanX`

   Mean of gravity acceleration in the time domain in the X axis

7. `tGravityAccmeanY`

   Mean of gravity acceleration in the time domain in the Y axis

8. `tGravityAccmeanZ`

   Mean of gravity acceleration in the time domain in the Z axis

9. `tBodyAccJerkmeanX`

   Mean of body acceleration from Jerk signals in the time domain in the X axis

10. `tBodyAccJerkmeanY`

    Mean of body acceleration from Jerk signals in the time domain in the Y axis

11. `tBodyAccJerkmeanZ`

    Mean of body acceleration from Jerk signals in the time domain in the Z axis

12. `tBodyGyromeanX`

    Mean of body gyroscope in the time domain in the X axis

13. `tBodyGyromeanY`

    Mean of body gyroscope in the time domain in the Y axis

14. `tBodyGyromeanZ`

    Mean of body gyroscope in the time domain in the Z axis

15. `tBodyGyroJerkmeanX`

    Mean of body gyroscope from Jerk signal in the time domain in the X axis

16. `tBodyGyroJerkmeanY`

    Mean of body gyroscope from Jerk signal in the time domain in the Y axis

17. `tBodyGyroJerkmeanZ`
    Mean of body gyroscope from Jerk signal in the time domain in the Z axis
18. `tBodyAccMagmean`
    Mean of acceleration of body magnitude from Euclidian norm in the time domain
19. `tGravityAccMagmean`
    Mean of acceleration of gravity magnitude from Euclidian norm in the time domain
20. `tBodyAccJerkMagmean`
    Mean of acceleration of body magnitude from Euclidian norm from Jerk signal in the time domain
21. `tBodyGyroMagmean`
    Mean of gyroscope of body magnitude from Euclidian norm in the time domain
22. `tBodyGyroJerkMagmean`
    Mean of gyroscope of body magnitude from Euclidian norm from Jerk signal in the time domain
23. `fBodyAccmeanX`
    Mean of body acceleration in the frequency domain in the X axis
24. `fBodyAccmeanY`
    Mean of body acceleration in the frequency domain in the Y axis
25. `fBodyAccmeanZ`
    Mean of body acceleration in the frequency domain in the Z axis
26. `fBodyAccmeanFreqX`
    Mean of body acceleration in the frequency domain in the X axis
27. `fBodyAccmeanFreqY`
    Mean of body acceleration in the frequency domain in the Y axis
28. `fBodyAccmeanFreqZ`
    Mean of body acceleration in the frequency domain in the Z axis
29. `fBodyAccJerkmeanX`
    Mean of body acceleration from Jerk signal in the frequency domain in the X axis
30. `fBodyAccJerkmeanY`
    Mean of body acceleration from Jerk signal in the frequency domain in the Y axis
31. `fBodyAccJerkmeanZ`
    Mean of body acceleration from Jerk signal in the frequency domain in the Z axis
32. `fBodyAccJerkmeanFreqX`
    Mean of body acceleration from Jerk signal in the frequency domain in the X axis
33. `fBodyAccJerkmeanFreqY`
    Mean of body acceleration from Jerk signal in the frequency domain in the Y axis
34. `fBodyAccJerkmeanFreqZ`
    Mean of body acceleration from Jerk signal in the frequency domain in the Z axis
35. `fBodyGyromeanX`
    Mean of body gyroscope in the frequency domain in the X axis
36. `fBodyGyromeanY`
    Mean of body gyroscope in the frequency domain in the Y axis

37. `fBodyGyromeanZ`
    Mean of body gyroscope in the frequency domain in the Z axis
38. `fBodyGyromeanFreqX`
    Mean of body gyroscope in the frequency domain in the X axis
39. `fBodyGyromeanFreqY`
    Mean of body gyroscope in the frequency domain in the Y axis
40. `fBodyGyromeanFreqZ`
    Mean of body gyroscope in the frequency domain in the Z axis
41. `fBodyAccMagmean`
    Mean of acceleration of body magnitude from Euclidian norm in the frequency domain
42. `fBodyAccMagmeanFreq`
    Mean of acceleration of body magnitude from Euclidian norm in the frequency domain
43. `fBodyBodyAccJerkMagmean`
    Mean of acceleration of body magnitude from Euclidian norm from Jerk signal in the frequency domain
44. `fBodyBodyAccJerkMagmeanFreq`
    Mean of acceleration of body magnitude from Euclidian norm from Jerk signal in the frequency domain
45. `fBodyBodyGyroMagmean`
    Mean of gyroscope of body magnitude from Euclidian norm in the frequency domain
46. `fBodyBodyGyroMagmeanFreq`
    Mean of gyroscope of body magnitude from Euclidian norm in the frequency domain
47. `fBodyBodyGyroJerkMagmean`
    Mean of gyroscope of body magnitude from Euclidian norm from Jerk signal in the frequency domain
48. `fBodyBodyGyroJerkMagmeanFreq`
    Mean of gyroscope of body magnitude from Euclidian norm from Jerk signal in the frequency domain
49. `angletBodyAccMeangravity`
    Body angle according to gravity acceleration
50. `angletBodyAccJerkMeangravityMean`
    Body angle according to gravity acceleration from Jerk signal
51. `angletBodyGyroMeangravityMean`
    Body angle according to gravity gyroscope
52. `angletBodyGyroJerkMeangravityMean`
    Body angle according to gravity gyroscope from Jerk signal
53. `angleXgravityMean`
    Mean of gravity angle X
54. `angleYgravityMean`
    Mean of gravity angle Y
55. `angleZgravityMean`
    Mean of gravity angle Z

56. tBodyAccstdX
    Standard deviation of body acceleration in the time domain in the X axis

57. tBodyAccstdY
    Standard deviation of body acceleration in the time domain in the Y axis

58. tBodyAccstdZ
    Standard deviation of body acceleration in the time domain in th
    e Z axis

59. tGravityAccstdX
    Standard deviation of gravity acceleration in the time domain in
    the X axis

60. tGravityAccstdY
    Standard deviation of gravity acceleration in the time domain in
    the Y axis

61. tGravityAccstdZ
    Standard deviation of gravity acceleration in the time domain in
    the Z axis

62. tBodyAccJerkstdX
    Standard deviation of gravity acceleration from Jerk signal in t
    he time domain in the X axis

63. tBodyAccJerkstdY
    Standard deviation of gravity acceleration from Jerk signal in t
    he time domain in the Y axis

64. tBodyAccJerkstdZ
    Standard deviation of gravity acceleration from Jerk signal in t
    he time domain in the Z axis

65. tBodyGyrostdX
    Standard deviation of body gyroscope in the time domain in the X
    axis

66. tBodyGyrostdY
    Standard deviation of body gyroscope in the time domain in the Y
    axis

67. tBodyGyrostdZ
    Standard deviation of body gyroscope in the time domain in the Z
    axis

68. tBodyGyroJerkstdX
    Standard deviation of body gyroscope from Jerk signal in the tim
    e domain in the X axis

69. tBodyGyroJerkstdY
70. Standard deviation of body gyroscope from Jerk signal in the ti
    me domain in the Y axis

71. TBodyGyroJerkstdZ
    Standard deviation of body gyroscope from Jerk signal in the tim
    e domain in the Z axis

72. TBodyAccMagstd
     Standard deviation of acceleration of body magnitude from Eucli
dian norm in the time domain

73. tGravityAccMagstd
    Standard deviation of acceleration of gravity magnitude from Euc
    lidian norm in the time domain

74. `tBodyAccJerkMagstd`
    Standard deviation of acceleration of body magnitude from Euclidian norm from Jerk signal in the time domain

75. `tBodyGyroMagstd`
    Standard deviation of gyroscope of body magnitude from Jerk signal in the time domain

76. `tBodyGyroJerkMagstd`
    Standard deviation of gyroscope of body magnitude from Euclidian norm from Jerk signal in the time domain

77. `fBodyAccstdX`
    Standard deviation of body acceleration in the frequency domain in the X axis

78. `tBodyAccstdY`
    Standard deviation of body acceleration in the frequency domain in the Y axis

79. `fBodyAccstdZ`
    Standard deviation of body acceleration in the frequency domain in the Z axis

80. `fBodyAccJerkstdX`
    Standard deviation of body acceleration from Jerk signal in the frequency domain in the X axis

81. `fBodyAccJerkstdY`
    Standard deviation of body acceleration from Jerk signal in the frequency domain in the Y axis

82. `fBodyAccJerkstdZ`
    Standard deviation of body acceleration from Jerk signal in the frequency domain in the Z axis

83. `fBodyGyrostdX`
    Standard deviation of body gyroscope in the frequency domain in the X axis

84. `fBodyGyrostdY`
    Standard deviation of body gyroscope in the frequency domain in the Y axis

85. `fBodyGyrostdZ`
    Standard deviation of body gyroscope in the frequency domain in the Z axis

86. `fBodyBodyAccJerkMagstd`
    Standard deviation of acceleration of body magnitude from Euclidian norm from Jerk signal in the frequency domain

87. `fBodyBodyGyroMagstd`
    Standard deviation of gyroscope of body magnitude from Jerk signal in the frequency domain

88. `fBodyBodyGyroJerkMagstd`
    Standard deviation of gyroscope of body magnitude from Euclidian norm from Jerk signal in the frequency domain